BRUHATH BANGALORE MAHANAGARA PALIKE

Yalahanka ELECTRICAL DIVISION

PRE MEASUREMENT BOOK

Name of work :-Annual Maintenance and repairs of street lights in ward no 03 Package Y -03 of Yelahanka Zone.

Name of Contractror of nature of Agency:-M/S. Nanjundeshwara Electrical

Job Code No:-003-22-000023

Ref no and Date of commencement of work:-:- EE/Ele/YZ//WO/000003 /22-23 Date:01/04/2022

Aggrement No & date:-

Measurement Book No: **Page No:**

Bill NO :- Bill NO :- 13th RA Bill **Bill Period : 01-12-2023 to 31-12-2023 (for 1 months)**

Sl. No.	Description	Unit	Period in Months	Present Measurements		
				Qty	Tender Full Rate	Cost
1	Operation and Maintenance of street lighting system including replacement of damaged/failed/fused out components like Lamps, Tubes, Chokes, Ignitors, Capacitors, Switches , wires, Holders, Starters ,and switching ON/OFF of street lights at specified timing and Pole numbering, Preparing ward wise, street wise data bank furnishing maintenance reports ,every day etc, complete so as to ensure efficient burning of street lights detailed in tender	Each	1	20	57.12	1142.40
2	Operation and Maintenance of street lighting system including replacement of damaged/failed/fused out components like Lamps, Tubes, Chokes, Ignitors, Capacitors, Switches , wires, Holders, Starters ,and switching ON/OFF of street lights at specified timing and Pole numbering, Preparing ward wise, street wise data bank furnishing maintenance reports ,every day etc, complete so as to ensure efficient burning of street lights detailed in tender documents for 125 W HPMV light Park lighting systems.	Each	1	0	63.02	0.00
3	Operation and Maintenance of street lighting system including replacement of damaged/failed/fused out components like Lamps, Tubes, Chokes, Ignitors, Capacitors, Switches , wires, Holders, Starters ,and switching ON/OFF of street lights at specified timing and Pole numbering, Preparing ward wise, street wise data bank furnishing maintenance reports ,every day etc, complete so as to ensure efficient burning of street lights detailed in tender documents for 250W HPSV street light lighting systems.	Each	1	3637	84.95	308963.15
4	Operation and Maintenance of street lighting system including replacement of damaged/failed/fused out components like Lamps, Tubes, Chokes, Ignitors, Capacitors, Switches , wires, Holders, Starters ,and switching ON/OFF of street lights at specified timing and Pole numbering, Preparing ward wise, street wise data bank furnishing maintenance reports ,every day etc, complete so as to ensure efficient burning of street lights detailed in tender documents 400 watts HPSV street light/High Mast lighting systems.	Each	1	0	93.17	0.00
5	Operation and Maintenance of LED Street lighting system including replacement of damaged/failed/fused out compnents like LED drivers MCPCB surge protective device switches, Wires Holders, Staters observing weather proofing technic confirming to IP 65 standards and switching ON/OFF of Street lights at specified timing and pole numbering. Preparing ward wise Street wise Street light data bank furnishing maintenance reports every day etc.., complete so as to ansure efficient burning of Street lights detailed in Tender documents for 24 watt LED park lighting systems.	Each	1	0	73.33	0.00

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6	Operation and Maintenance of LED Street lighting system including replacement of damaged/failed/fused out compnents like LED drivers MCPCB surge protective device switches, Wires Holders, Staters observing weather proofing technic confirming to IP 65 standards and switching ON/OFF of Street lights at specified timing and pole numbering. Preparing ward wise Street wise Street light data bank furnishing maintenance reports every day etc.., complete so as to ansure efficient burning of Street lights detailed in Tender documents for 65 watt LED street light lighting systems.	Each	1	152	95.61	14532.72
7	Operation and Maintenance of LED Street lighting system including replacement of damaged/failed/fused out compnents like LED drivers MCPCB surge protective device switches, Wires Holders, Staters observing weather proofing technic confirming to IP 65 standards and switching ON/OFF of Street lights at specified timing and pole numbering. Preparing ward wise Street wise Street light data bank furnishing maintenance reports every day etc.., complete so as to ansure efficient burning of Street lights detailed in Tender documents for 90 watt LED street light lighting systems.	Each	1	888	114.80	101942.40
8	Operation and Maintenance of LED Street lighting system including replacement of damaged/failed/fused out compnents like LED drivers MCPCB surge protective device switches, Wires Holders, Staters observing weather proofing technic confirming to IP 65 standards and switching ON/OFF of Street lights at specified timing and pole numbering. Preparing ward wise Street wise Street light data bank furnishing maintenance reports every day etc.., complete so as to ansure efficient burning of Street lights detailed in Tender documents for 110/120 watt LED streetlight lighting	Each	1	54	131.29	7089.66
9	Operation and Maintenance of LED Street lighting system including replacement of damaged/failed/fused out compnents like LED drivers MCPCB surge protective device switches, Wires Holders, Staters observing weather proofing technic confirming to IP 65 standards and switching ON/OFF of Street lights at specified timing and pole numbering. Preparing ward wise Street wise Street light data bank furnishing maintenance reports every day etc.., complete so as to ansure efficient burning of Street lights detailed in Tender documents for 150 watt LED street light /High mast	Each	1	0	155.95	0.00
10	Painting of existing street light pole after scrapping the old paint and painted with suitable colour enamel/Silver paint including coping/footing of the pole.Upto 5Mtr street light pole.	Nos	-	0	550.00	0.00
11	Painting of existing street light pole after scrapping the old paint and painted with suitable colour enamel/Silver paint including coping/footing of the pole.8Mtr and above street light pole.	Nos	-	0	770.00	0.00
12	Supplying and fixing Moulded Case Circuit Breaker (MCCB) over the existing wood/panel board using necessary screws, bolts, nuts, necessary phase separators, handle and wiring complete. Protection of Overload and Short circuit with thermal Magnetic/Micro processor release and Earth Fault as per IS-13947. (Icu = Ics) 100Amps 25kA.	Each	-	15	4530.00	67950.00
13	Supply and Installation / Fixing / Provision of Pole box with HRC Fuse / MCB provision and suitable connector / terminal for 3 Ph / 1 Ph connections with Loop-In & Loop- Out terminals for 10 Sqmm / 25 Sqmm 3.5 C Al/Ar / Cu/ Ar Cable and branch out 2.5 Sqmm 2 core Al/Cu PVC Insulated cable, enclosed in a Thermoplastic, Polystyrene enclosure, which should be shock proof, safe, IP65(Weather Proof), rust proof, dust proof, water proof having Internally Embedded Gasket with provision for cable entry through IP65 Thermoplastic, polyamide glands and/or grommets.260mmx210mmx116mm					

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	Pole Number	Address	Nos					
	SNE/03/TC206/AP/AM/00/00/66/S	1st Main, Prakrtuhi Layout Ananthapura	1					
	SNE/03/TC/GRL/01/00/14/LED/1127	1st Main road, G Ramaiah Layout	1					
	SNE/03/TC/GRL/00/01/08/S/223	1st Cross road, G Ramaiah Layout	1					
	SNE/03/TC66/BC/03/00/06/LED/1102	1st Main Road Best County-3	1					
	SNE/03/TC/BC/02/01/34/LED/625	1st Main Road Best County-2	1					
	SNE/03/TC/VB/01/08/SV/1099	1st Main road, Back side of Sambhram Collage Vijaya Bank Layout	1					
	SNE/03/TC66/SN/00/06/59/LED	Sainagar Phase 26th Cross road	1					
	SNE/03/TC/KL/03/00/07/LED	Kavery Layout 3rd Main road	1					
	SNE/03/TC/DMR/00/02/LED	2nd Cross road Deo Marvel Layout Ananthpura	1					
	SNE/03/TC/AN/01/00/08/S	1st main road, Ambhabhavani Layout, Doddabettahalli	1					
	SNE/03/TC/AMR/00/19/01/S	1st main road, Ambhabhavani Layout, Doddabettahalli	1					
	SNE/03/TC66/SN/01/00/05/LED	Sainagar Phase 2, 1st Main road	1					
	SNE/03/TC/BN/01/00/06/S	1st Main road, 3rd Cross, Basavalingappa Nagara	1					
	SNE/03/TC/GRL/00/03/03/LED	3rd Cross G Ramesh Layout	1					
	SNE/03/TC/MSR/00/93/S	M.S.Palya main road	1					
		Total	**15**	Each	-	15	2054.00	30810.00
14	Supplying of 1.1 KV LT UG cable XLPE or Heat resistant PVC insulated, PVC extruded Inner sheath armoured UG LT cable as per IS-1554 (Part-1) or IS-7098 Part-1, Armouring strip thickness in average +5% and resistivity 14 Ohms/Kms (Max) as per IS-3975			Mtr	-	180	150.00	27000.00
15	Labour charges for laying of 1.1 KV class UG cable in existing trench GI pipe / stoneware pipe / on wall / on pole as required.On wall /Structure 6 sqmm to 16 sqmm			Mtr	-	180	30.00	5400.00
	Pole Number	**Meters**						
	SNE/03/TC/AMS/03/03/09/LED TO	23 Mtrs						
	SNE/03/TC/AMS/03/03/10/LED TO	24 Mtrs						
	SNE/03/TC/AMS/03/03/11/LED TO	21 Mtrs						
	SNE/03/TC/AMS/03/03/12/LED TO	22 Mtrs						
	SNE/03/TC/AMS/03/03/13/LED TO	23 Mtrs						
	SNE/03/TC/AMS/03/03/14/LED TO	20 Mtrs						
	SNE/03/TC/AMS/03/03/15/LED TO	25 Mtrs						
	SNE/03/TC/AMS/03/03/16/LED	22 Mtrs						

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	Total	**180 Mtrs**							
16	Supply and fixing of 4pole power contactor with NO/NC contacts on existing wood/panel board using necessary bolts, nuts, washers and wiring etc., complete with AC-3 Rating and								
	Pole Number	**Address**	**Nos**						
	SNE/03/TC293/SL/00/01/02/S	1st Cross road, Srigandha Layout Veerasagara main road	1						
	SNE/03/TC89/RC/05/00/08/S	Rallis Colony, 5th main road Veerasagara main road	1						
	SNE/03/TC/TN/00/06/23/S	Thirumala Nagara 6th Cross Near Dhaba Cross	1						
	SNE/03/TC89/HN/04/00/16/S	4th Main road Havyaka Nagara	1						
	New Pole	1st main road Vijaya Bank	1						
	SNE/03/TC/AN/09/00/29/S	Near 9th Main Aditya Nagara	1						
	SNE/03/TC350/AN/00/02/06/S	2nd Cross Anugraha Layout	1						
	SNE/03/TC/BL/00/04/08/S	4th Cross Balaji Layout Ananthpura	1						
	SNE/03/TC78/ML/02/00/29/S	2nd Main road Ananthpura Mahalakshmi Layout	1						
	SNE/03/TC/NL/10F/00/04/S	Nisarga Layout 10th F Mai road	1						
		Total	**10**	Each	-	10	7200.00	72000.00	
17	Supplying and fixing Microprocessor Based Astronomical timer Switch with using necessary bolts, nuts and washers.								
	Pole Number	**Address**	**Nos**						
	New Pole	Dairy Circle	1						
	SNE/03/TC13/AMS/03/03/06/S	3rd Main 3rd Cross AMS Layout	1						
	SNE/03/TC71/CBL/00/18/03/S	18th Cross Chikkabetthalli Layout	1						
	SNE/03/TC71/CBL/00/12/16/S	12th Cross, Water Tank road Chikkabetthalli Layout	1						
	SNE/03/TC487/BN/02/04/18/S	2nd Main 4th Cross Basavalingappa Nagara	1						
	New Pole	Neha Prakash Hospital Near Shiva Sathya Sai Layout	1						
	SNE/03/TC68/ML/00/11/03/S	11th Cross Near Akkayamma temple Muneshwara Layout	1						
	New Pole	Cycle track road, Unnikrishnan double road	1						
	SNE/03/TC88/VR/MR/00/06/02/S	6th Cross Muneshwara Layout Veerasaga Main road	1						
	SNE/03/TC160/Y4/00/06/98/S	All India Radio, Yelahanka 4th phase, 6th Cross	1						
		Total	**10**	Each	-	10	4030.00	40300.00	
18	Supplying and fixing miniature circuit breakers on existing MCB distribution boards using necessary fixing materials and 'C' Type curve, indicator ON/OFF, energy cross-3 with Short circuit breaking capacity of 10K and complete wiring as required								
	Pole Number	**Address**	**Nos**						
	SNE/03/TC141/ML/MR/01/00/08/S	1st Main Road Oppsite Sambhram collage road Muniswamappa Layout	1						

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	SNE/03/TC/42/ML/02/08/11/S	2nd Main Road Nagamma Temple road Muniswamappa	1					
	SNE/03/TC/JN/00/02/04/S	2nd Crss Jyothi Nagara	1					
	SNE/03/TC/JN/00/03/16/S	3rd Crss Jyothi Nagara	1					
	SNE/03/TC69/BL/03/02/09/S	3rd Main 2nd Cross Brundavana Layout	1					
	SNE/03/TC69/BL/03/03/18/S	3rd Main 3rd Cross Brundavana Layout	1					
	SNE/03/TC31/BTL/09/00/23/S	9th Main, Bettahalli Layout	1					
	SNE/03/TC/BTL/MR/00/43/S	Near Govt School, Bettahalli Layout	1					
	SNE/03/TC69/ML/00/03/08/S	3rd Cross Mahatma Gandhi Layout	1					
	SNE/03/TC/BL/00/04/02/S	4th Cross Balaji Layout	1					
	SNE/03/TC49/AN/11/00/13/S	11th Main Ananthapura	1					
	SNE/03/TC351/PNL/02/00/12/S	Prakruthi Layout, Ananthapura	1					
	SNE/03/TC89/CL/00/03/01/L	3rd Cross Chitra Layout	1					
	SNE/03/TC/HL/02/00/04/S	2nd Cross Hanumaiaha Layout	1					
	Total		**14**	Each		14	723.00	10122.00
	TOTAL							**433670.33**
	Add GST 18 % = 12%+6% on item no 1-9					12%	52040.44	**381629.89**
						18%	68693.38	**450323.27**
	Total Rs item no 10-18							**253582.00**
	Add GST 18 % on item no 10-18							**45644.76**
	TOTAL Rs							**749550.03**
	Fine imposed for non burning of street lights For the period of 1/12/2023 to 31/12/2023							**3500.00**
	As per street light agreement clause 2% will be deducted in monthly maintenance bill against the released scrap material							**9006.47**
	GRAND TOTAL							**737043.57**

CERTIFICATE

1.This is to certify that the work done is saticefactorily.

2.This is to certify that the bill amount calimed in this bill does not claimed in any of the previous bill.

Junior Engineer(Elec)
Yalahanka Division

Asst.Exe.Engineer(Elec)
Yalahanka Division